



PATENT ABSTRACTS OF JAPAN

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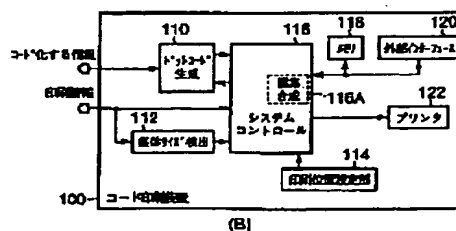
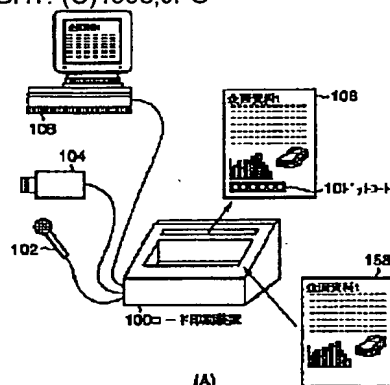
(21) Application number: **08208196**(71) Applicant: **OLYMPUS OPTICAL CO LTD**(22) Date of filing: **07 . 08 . 96**(72) Inventor: **MORI TAKESHI**(54) **CODE PRINTER AND CODE PRINT MEDIUM APPLIED THERETO**

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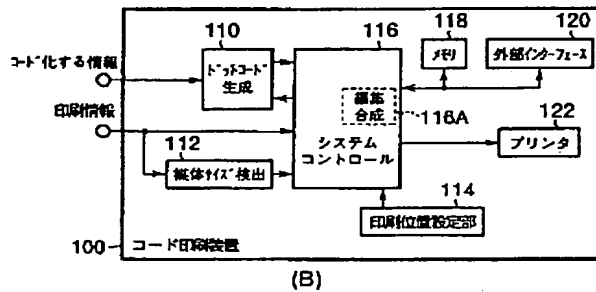
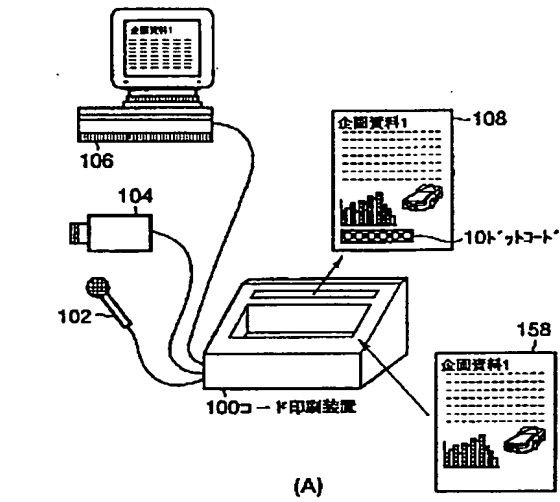
(57) Abstract:

PROBLEM TO BE SOLVED: To efficiently arrange information except codes such as regular characters and pictures, and coded multimedia information to be printed and recorded on a print medium.

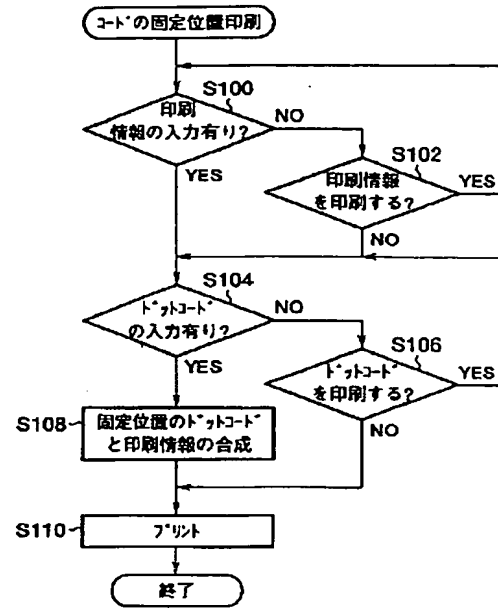
SOLUTION: A dot code generation section 110 receives multimedia information to be coded and generates dot codes. A medium size detection section 112 detects a size of a record paper based on print information. A print position setting section 114 stores print positions of the dot codes corresponding to the various sizes of the media and outputs them to a system control section 116. The system control section 116 determines the print position of the dot code corresponding to the size of the print paper detected by the medium size detection section 112 on the basis of information inputted from the print position setting section 114. The system control section 116 edits and synthesizes the dot codes generated by the dot code generation section 110 and print information for the record paper given from a personal computer 106 and prints out it by means of a printer 122.



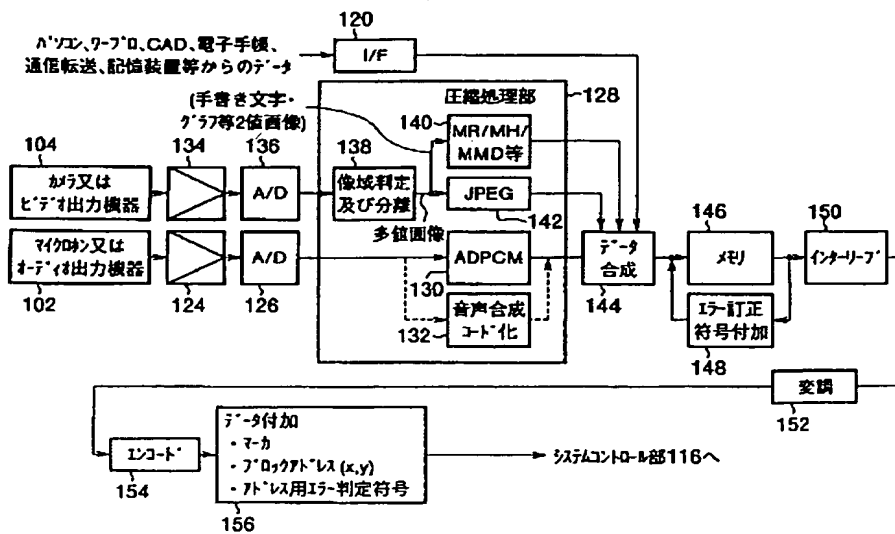
【図1】



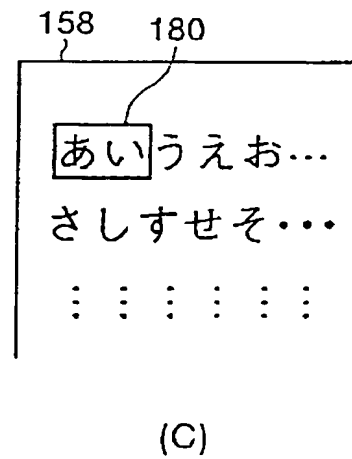
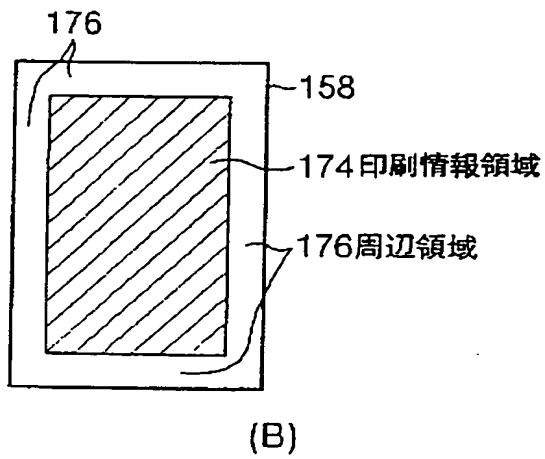
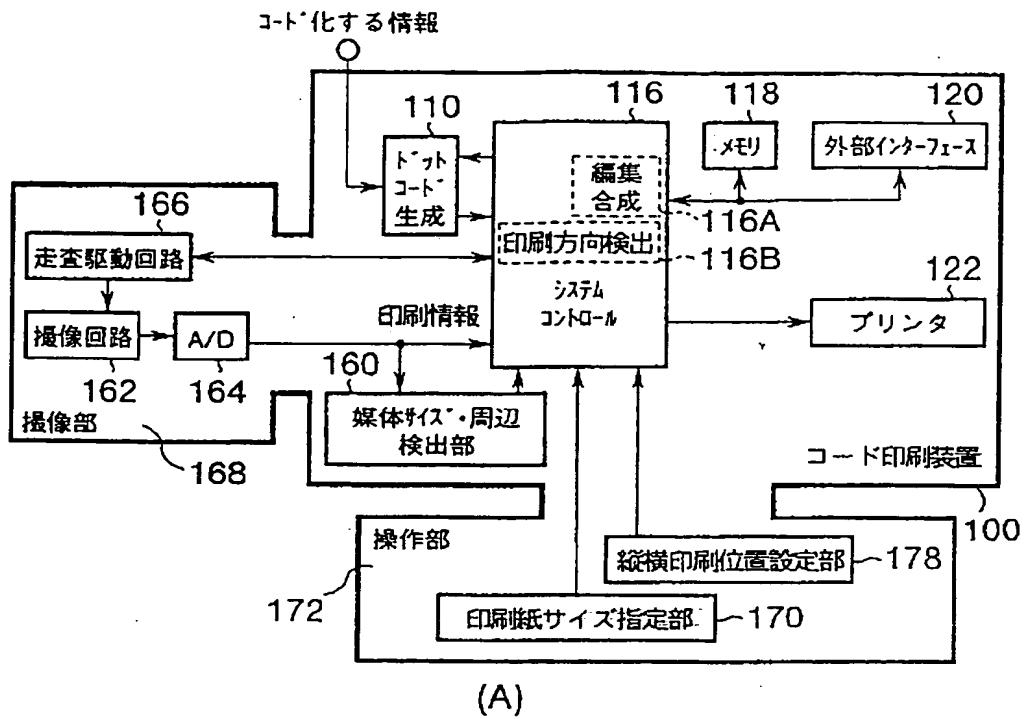
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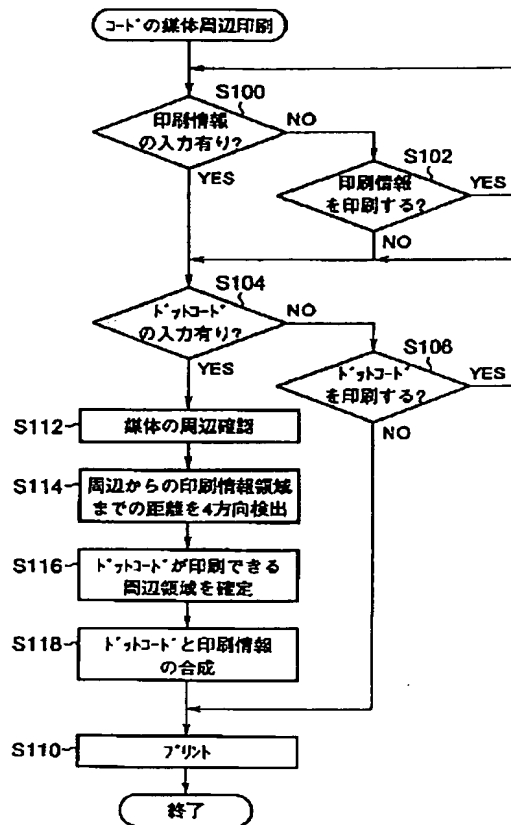
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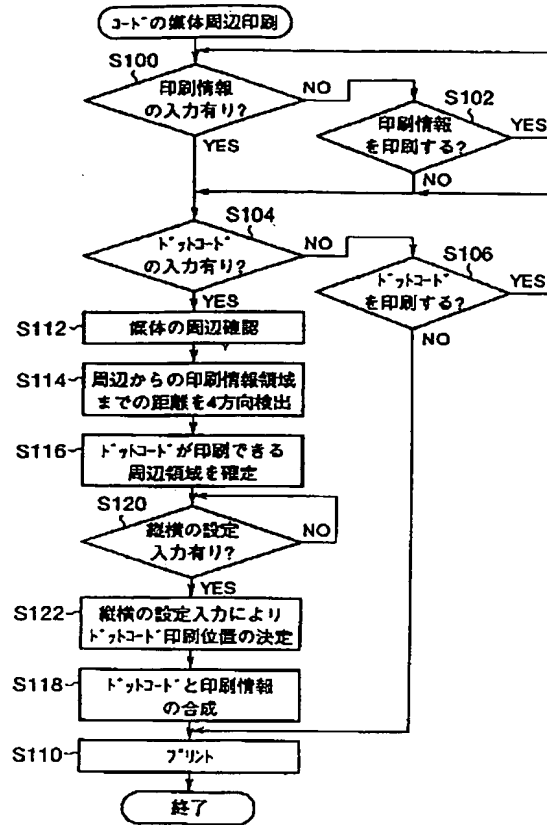
【図4】



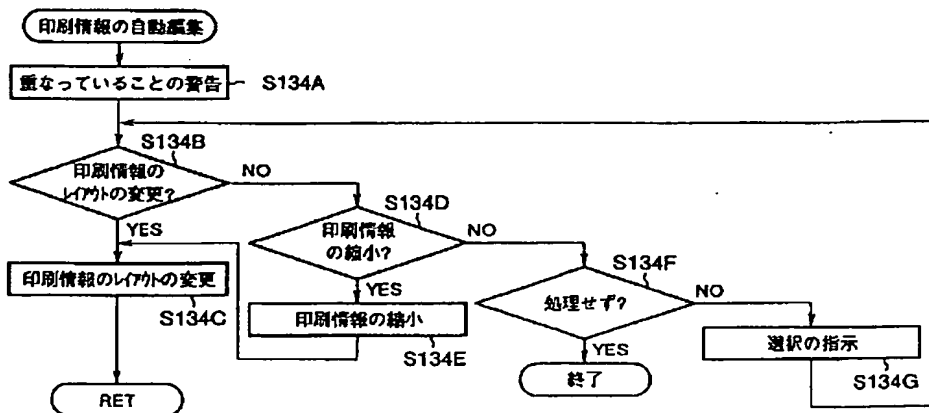
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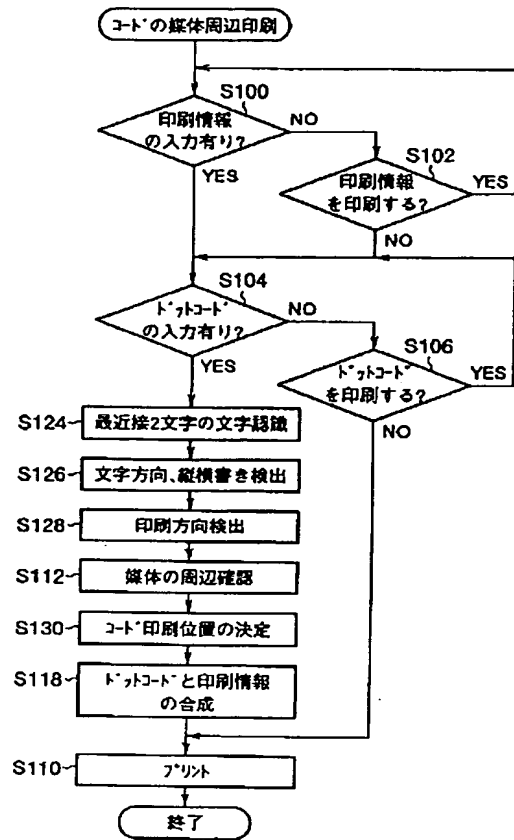
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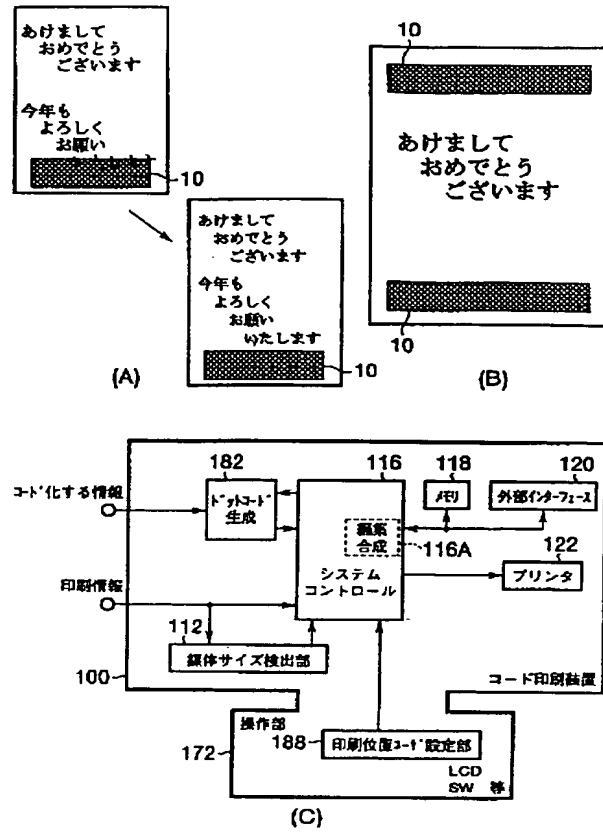
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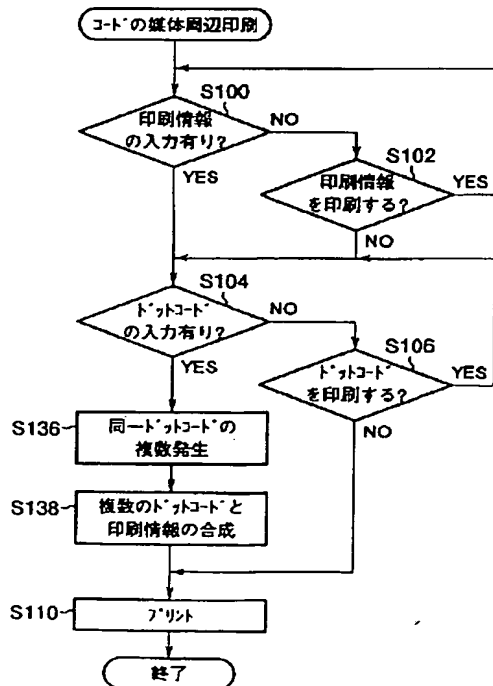
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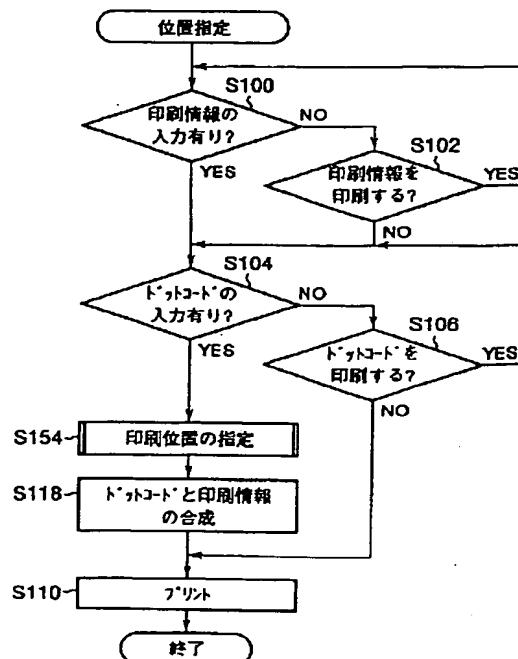
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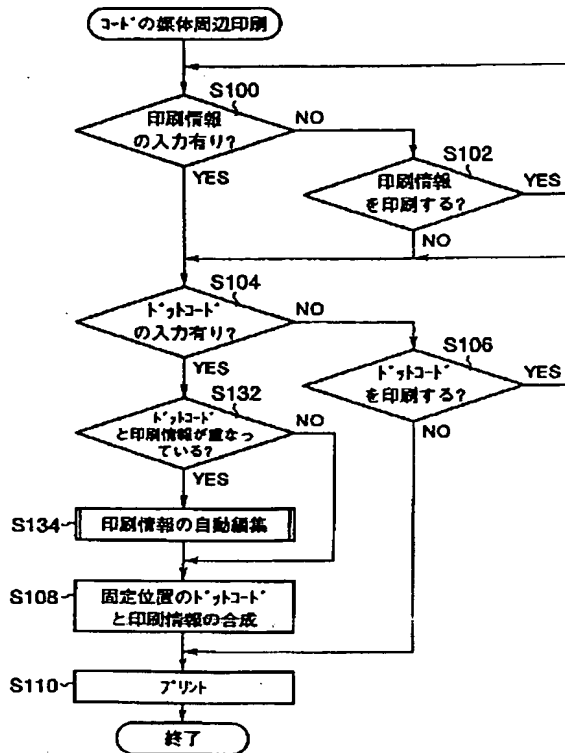
【図11】



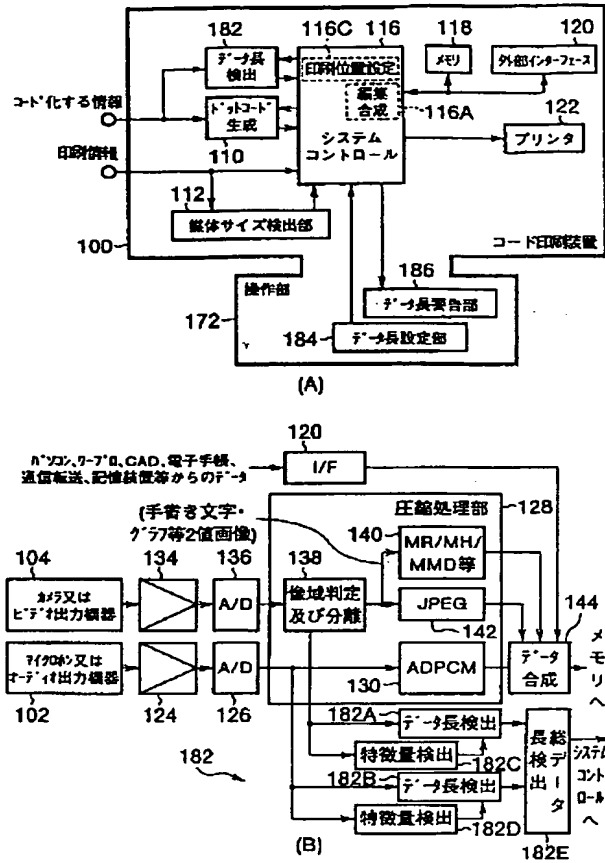
【図15】



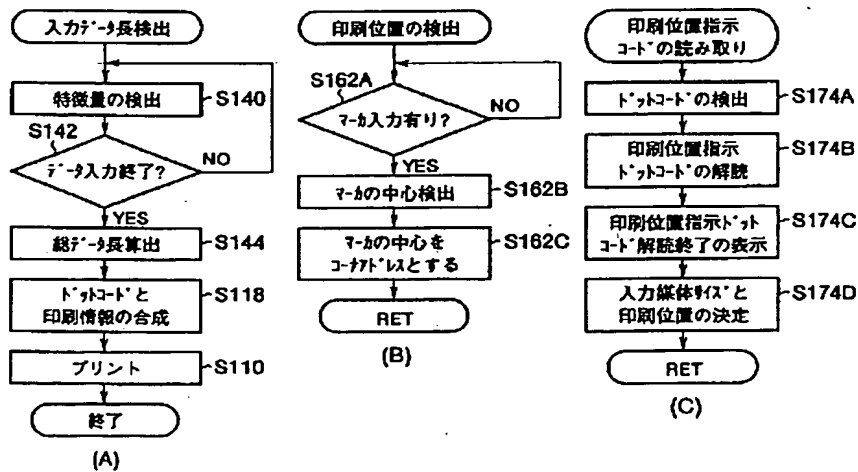
【図9】



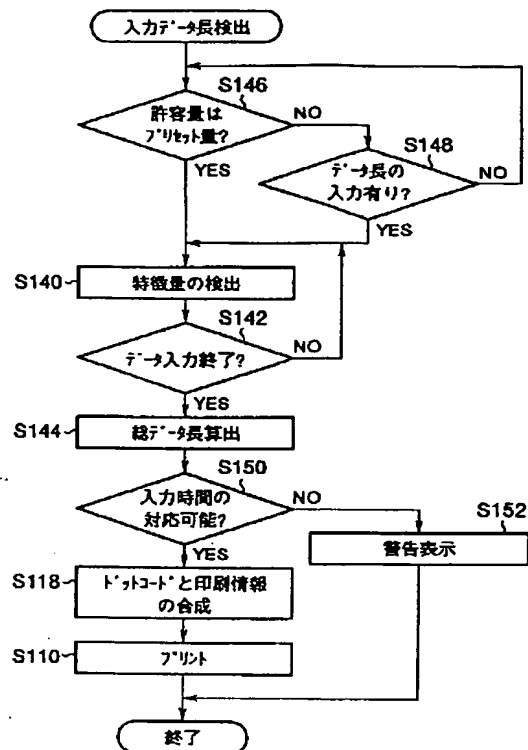
【図12】



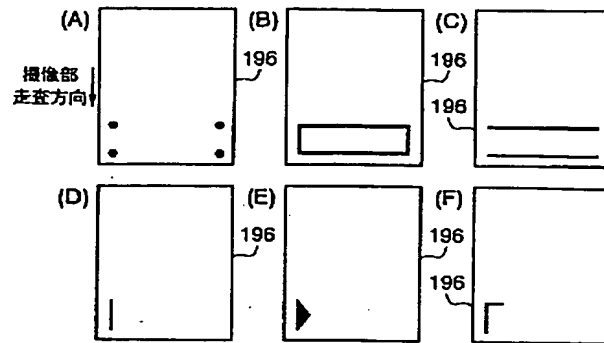
【図13】



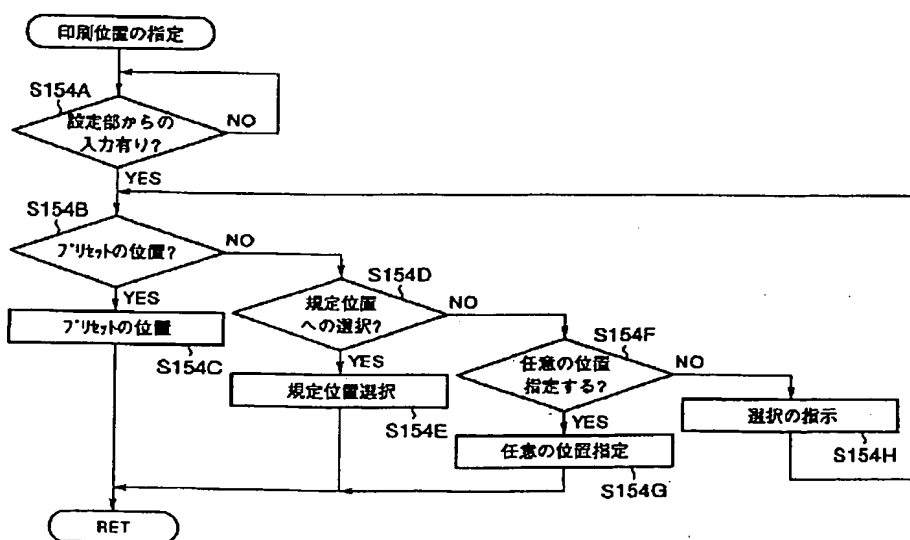
【図14】



【図18】



【図16】



(A)

Figure 1 consists of three block diagrams labeled (A), (B), and (C), illustrating different configurations of an image processing system.

(A) Main Flow: The process starts with an input (入力) and a reference input (入力O). The input passes through a 2-value conversion block (2値化) labeled 198. The output of 198 goes to a white balance detection block (白中の黒検出 (マカ)) labeled 200. The output of 200 goes to a center detection block (中心検出) labeled 202. The output of 202 goes to a dot code storage and position generation block (ドットコード 書き込み 位置発生) labeled 204. The output of 204 goes to a system control block (システム コントロール) labeled 116. The system control block 116 is also connected to a media sensor (媒体センサ) labeled 214.

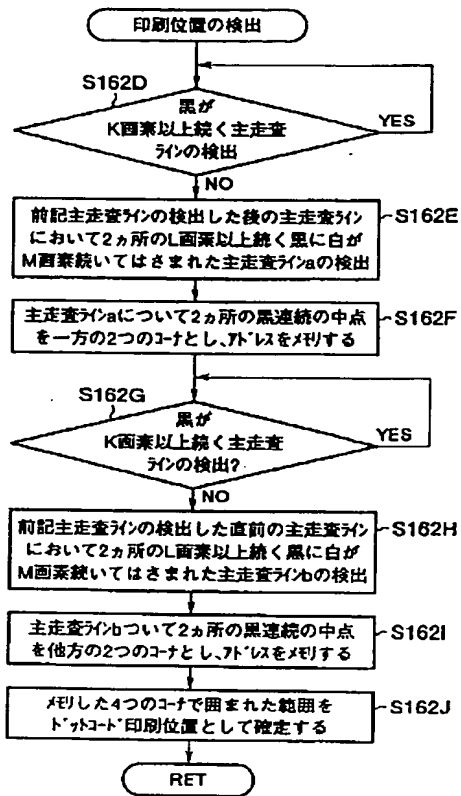
(B) Configuration with White Balance: This diagram is identical to (A) but includes an additional block for white balance. A block labeled 210 (外光発生) provides input to the center detection block 202. The system control block 116 also provides input to the white balance detection block 200.

(C) Configuration with Corner Detection: This diagram is identical to (A) but includes an additional block for corner detection. A block labeled 210 (外光発生) provides input to the corner detection block (角検出) labeled 216. The system control block 116 also provides input to the corner detection block 216.

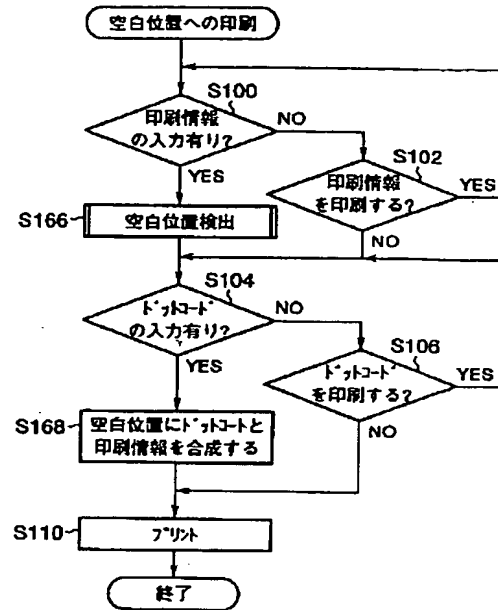
```

graph TD
    Start([位置検出用印刷媒体入力]) --> S156[S156]
    S156 --> D1{ドットコート<br/>の位置指定<br/>データ有り?}
    D1 -- YES --> S102
    D1 -- NO --> S158[S158<br/>位置検出用媒体の<br/>入力指示]
    S158 --> S160[S160<br/>位置検出用媒体<br/>の入力有り?]
    S160 -- NO --> S102
    S160 -- YES --> S162[S162<br/>印刷位置の検出]
    S162 --> S100
    S100{印刷情報<br/>の入力有り?}
    S100 -- YES --> S104
    S100 -- NO --> S102
    S102{印刷情報を<br/>印刷する?}
    S102 -- YES --> S106
    S102 -- NO --> S104
    S104{ドットコート<br/>の入力有り?}
    S104 -- YES --> S164[S164<br/>指定した位置にドットコート<br/>と印刷情報を合成する]
    S104 -- NO --> S106
    S164 --> S110[S110<br/>プリント]
    S106{ドットコートを<br/>印刷する?}
    S106 -- YES --> S110
    S106 -- NO --> S104
    S110 --> End([終了])
  
```

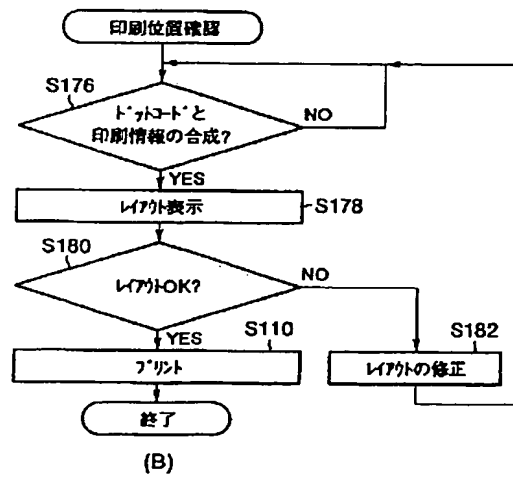
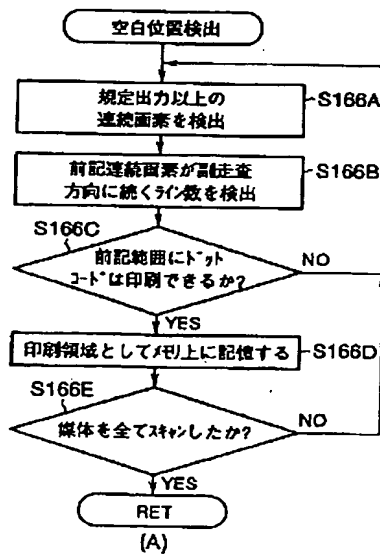
【図21】



【図24】

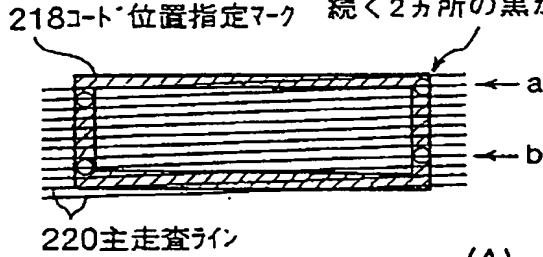


【図25】



【図22】

一定以上黒が続いた直後の一定以上白が続く2カ所の黒が存在する位置を角とする

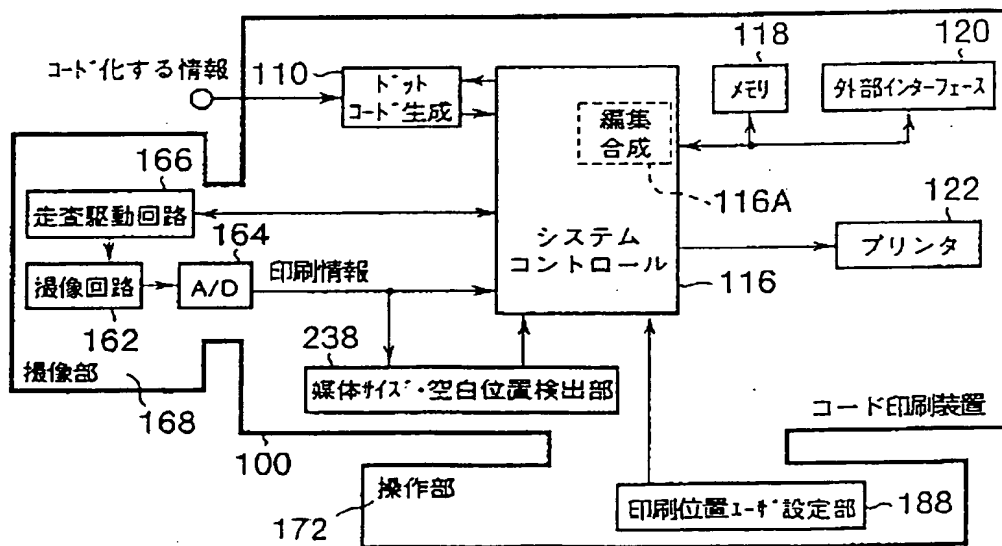


(A)

主走査ラインに傾きがあったとしても
端から端まで横切れる幅を持つ
線幅にする

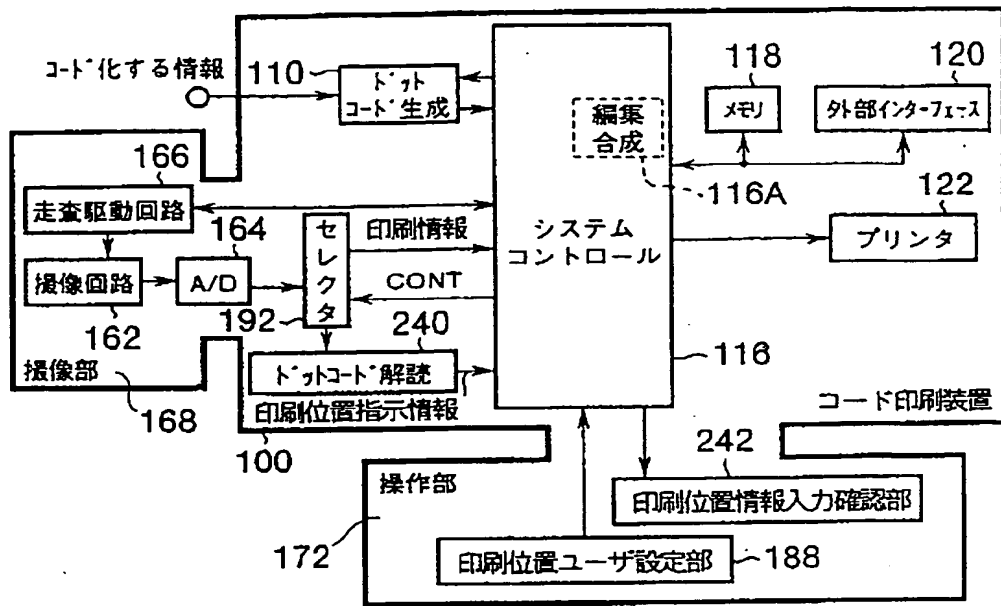


(B)

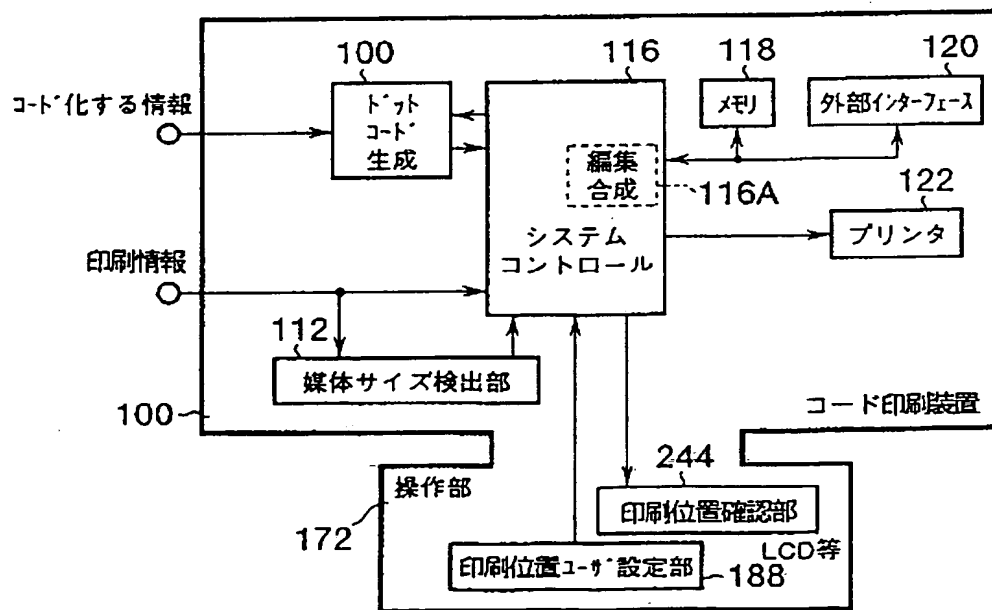


(C)

【図26】

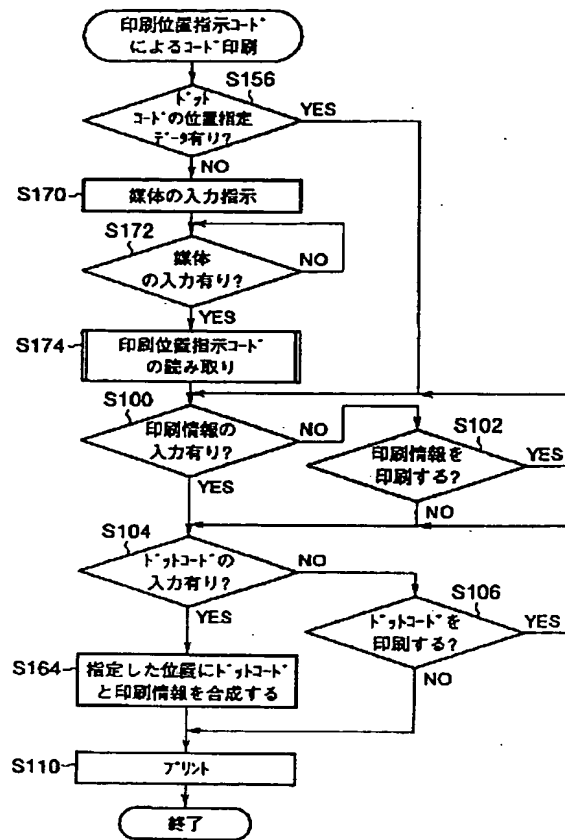


(A)

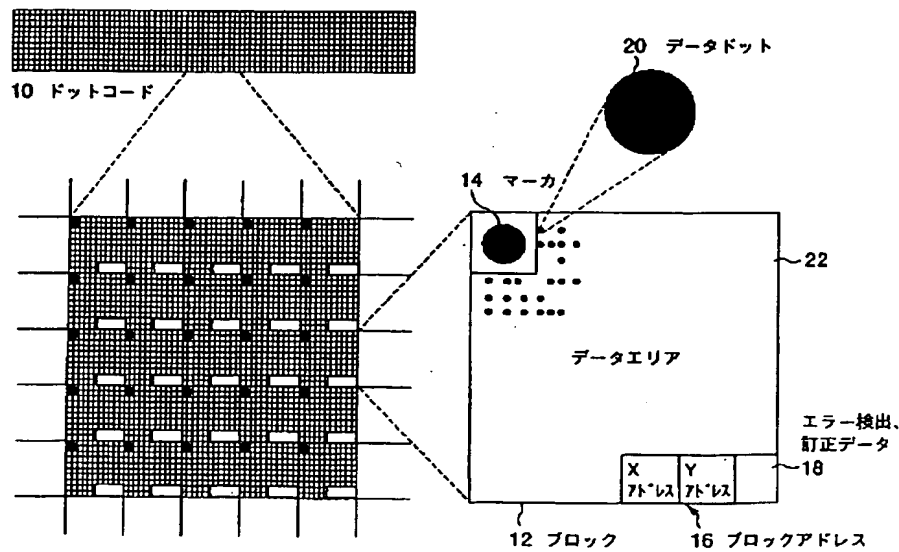


(B)

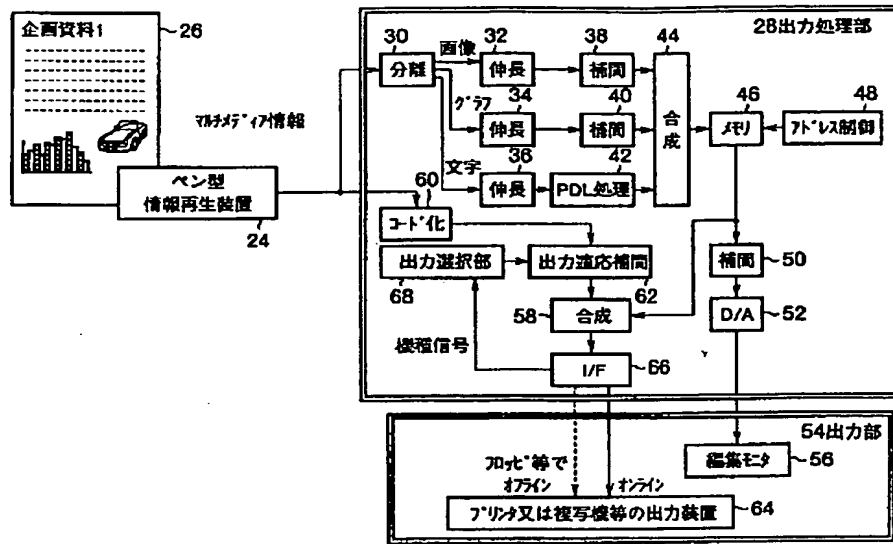
【図27】



【図28】



【図29】



フロントページの続き

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FI
G06K 19/00技術表示箇所
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